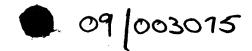
5



## ABSTRACT OF THE DISCLOSURE

A solid phase synthesis method for the preparation of diverse sequences of separate polymers or nucleic acid sequences using electrochemical placement of monomers or nucleic acids at a specific location on a substrate containing at least one electrode that is preferably in contact with a buffering or scavenging solution to prevent chemical crosstalk between electrodes due to diffusion of electrochemically generated reagents.